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TITLE : X-ZEOLITE BEAD COMPACT AND ITS PRODUCTION

ABSTRACT : PROBLEM TO BE SOLVED: To produce an X-zeolite bead compact having a high adsorption capacity because of its large pore volume and large pore surface area, also having superior adsorption performance such as a high adsorption rate and excellent in physical properties with regard to strength typified by pressure withstanding strength.

SOLUTION: The X-zeolite bead compact comprises X-zeolite powder having an  $\text{SiO}_2$  to  $\text{Al}_2\text{O}_3$  molar ratio of 2.3-2.7 and a clay binder having a fibrous one-dimensional structure and has  $\geq 0.25$  cc/g pore volume and  $\geq 20$  m<sup>2</sup>/g pore surface area.

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